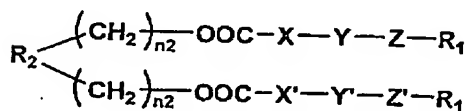CLAIM AMENDMENTS

1.   (Currently Amended)

An active energy ray curable ink-jet ink comprising an epoxy compound containing an alicyclic epoxy group and an epoxified fatty acid ester group~~.~~ , wherein the epoxy compound is represented by following Formula (1) :
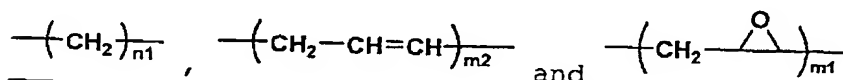
Formula (1)

$$R_2 \begin{cases} -(CH_2)_{\overline{n2}}-OOC-X-Y-Z-R_1 \\ -(CH_2)_{\overline{n2}}-OOC-X'-Y'-Z'-R_1 \end{cases}$$
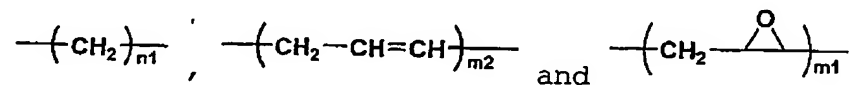
wherein

R_1 is an alkyl group having 1 to 10 carbon atoms,

R_2 is a divalent linkage group having an alicyclic epoxy group,

X, Y and Z are independently selected from the group consisting of

$$-(CH_2)_{\overline{n1}} \; , \quad -(CH_2-CH=CH)_{\overline{m2}} \text{ and } -(CH_2\overset{O}{\overset{\triangle}{}})_{\overline{m1}}$$

provided that X, Y and Z are each different,

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X', Y' and Z' are independently selected from the group consisting of

$$-(CH_2)_{n1}-, \quad -(CH_2-CH=CH)_{m2}- \quad \text{and} \quad -(CH_2-\overset{O}{\triangle})_{m1}-$$

provided that X', Y' and Z' are each different,

n1 is an integer from 1 to 20,

n2 is an integer from 0 to 10,

m1 is an integer from 1 to 10,

m2 is an integer from 0 to 10,

the sum of (m1 + m2) is from 1 to 20.

2.   (Canceled)

3.   (Original)

The active energy ray curable ink-jet ink according to Claim 1, wherein the ink further comprises at least one of an oxetane ring containing compound and a vinyl ether compound.

4.   (Original)

The active energy ray curable ink-jet ink according to Claim 1, wherein the ink further comprises a cationic photo polymerization initiator.

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5.   (Original)

The active energy ray curable ink-jet ink according to Claim 1, wherein the ink further comprises a pigment.

6.   (Original)

The active energy ray curable ink-jet ink according to Claim 5, wherein the ink further comprises a pigment dispersing agent.

7.   (Original)

The active energy ray curable ink-jet ink according to Claim 5, wherein an average particle diameter of the pigment is 10 to 150 nm.

8.   (Original)

The active energy ray curable ink-jet ink according to Claim 1, wherein a viscosity at 25°C of the active energy ray curable ink is 5 to 50 mPa·s.

9.   (Original)

A printed material formed by using the active energy ray curable ink-jet ink according to Claim 1 on a base material.

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